

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A travel direction device in which a direction about a traveling route is set, a notification of the direction is given less frequent frequently than a number of times the a-car drives the traveling route if the car drives the traveling route a plurality of times.

2. (Original) A travel direction device according to claim 1, wherein the notification of the direction is given a predetermined number of times during a predetermined period of times.

3. (Original) A travel direction device according to claim 2, wherein the notification of the direction is given in a predetermined probability every time the car drives the travel route.

4. (Original) A travel direction device according to claim 3, wherein there are a plurality of types of notification of the direction, and the notification of direction is given by selecting at least one of the plurality of types thereof.

5. (Original) A travel direction device according to claim 3, wherein when the car enters a predetermined area including the traveling route a plurality of times, the notification of direction is given less frequently than a number of times for the car to enter the predetermined area.

6. (Original) A travel direction device according to claim 4, wherein when the car enters a predetermined area including the traveling route a plurality of times, the notification of direction is given less frequently than a number of times for the car to enter the predetermined area.

7. (Currently Amended) A travel direction device according to claim 5, wherein the predetermined area is ~~constituted of~~comprises a divided plurality of areas, and the plurality of the areas is identified to notify the direction.

8. (Original) A travel direction device according to claim 7, wherein the predetermined area is a school zone centered about a school.

9. (Cancelled)

10. (Currently Amended) A travel direction device comprising a controlling means for setting a predetermined area ~~a school zone~~ centered about a school as one of a plurality of types of school zones depending on ~~types~~type of the school, and giving a warning ~~direction of cautions traveling~~ for travel when a car drives the road in the set school zone.

11. (Currently Amended) A travel direction device comprising a controlling means for setting a predetermined area ~~a school zone~~ centered about a school as one of a plurality of types of school zones depending on types of roads, and giving a warning ~~direction of traveling cautions~~ for travel when a car drives the road in the set school zone.

12. (Currently Amended) A travel direction device comprising a controlling means for setting predetermined area ~~a school zone~~ centered about a school as one of a plurality of types of school zones depending on road density

surrounding the school, and giving a warning direction-of traveling-cautions for travel
when a car drives the road in the set school zone.

13. (Currently Amended) A travel direction device comprising a
controlling means for setting predetermined area a school zone centered about a
school as one of a plurality of types of school zones depending on area division, and
giving a warning direction-of traveling-cautions for travel when a car drives the road
in the set school zone.

14. (Currently Amended) A travel direction device according to claim
9, comprising a controlling means for setting a predetermined area centered about a
school as a school zone and giving warnings about cautions for travel when a car
drives roads in the set school zone based on school days information and school
time information, wherein said controlling means changes contents of the warnings
depending on school types, road types, isolation-isolation duration of the area, and
vehicle speed.

15. (Cancelled)

16. (Currently Amended) A travel direction device according to claim 9
comprising a controlling means for setting a predetermined area centered about a
school as a school zone and giving warnings about cautions of travel when a car
drives roads in the set school zone based on school days information and school
time information; wherein said controlling means sends a deceleration command
signal is sent to a control device of the car when driving the car drives through the
school zone so as to reduce the speed.

17. (Currently Amended) A travel warning direction device comprising;
a continuous driving detection means for detecting continuous driving condition by

comparing the driving condition of the car with ~~to a~~ pre-set reference value of the driving condition, and a ~~warning-voice~~ output means for outputting a voice ~~the~~ warning ~~direction~~ when the continuous driving is detected by the continuous driving detection means,
wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel.

18. (Original) A travel warning direction device according to claim 17, wherein the continuous driving detection means detects long time driving.

19. (Original) A travel warning direction device according to claim 18, wherein the continuous driving detection means detects long distance driving.

20. (Original) A travel warning direction device according to claim 17, wherein detection by the continuous driving detection means is reset if discontinued for more than a predetermined period of time.

21. (Original) A travel warning direction device according to claim 17, wherein the travel warning direction device comprises a driver change detection means for detecting a change of a driver, and detection of the continuous driving detection means is reset when the driver change detection means detects the driver change.

22. (Original) A travel warning direction device according to claim 17, wherein the reference value changes depending on road types.

23. (Original) A travel warning direction device according to claim 22, wherein the reference value changed depending on time zone.

24. (Original) A travel warning direction device comprising a monotony driving detection means for detecting whether or not a car drives with a pre—set reference speed for a predetermined period of time when driving on local roads, and a voice output means for outputting a voice warning direction when the monotony driving detection means detects that the car drives within the reference speed range for the predetermined period of time.

25. (Original) A travel warning direction device according to claim 24, wherein when detecting the monotony driving, a new reference speed is set when the car drives in a speed out of the reference speed range.

26. (Original) A travel warning direction device according to claim 25, wherein the monotony driving detection means has a plurality of reference speed candidates for possible reference speed to be set, sets the reference speed range between the reference speed candidate faster than the set reference speed and the reference speed candidate slower than the set reference speed, stores the last time of the set reference speed, sets the reference speed candidate out of the reference speed range as a new reference speed when the vehicle speed is out of the reference speed range, and calculates the traveling time of the new reference speed range from the latest time when the set reference speed stored immediately before.

27. (Currently Amended) A travel warning direction device according to claim 4726, wherein the voice output means changes expressions, age and sex of the voice, ~~changes~~ depending on time zone, season, events or a number of times of travel.

28. (Currently Amended) A travel warning direction device, ~~in which the device outputs the voice warning direction comprising:~~

a comparator means for comparing continuous driving time or continuous traveling distance of a car with a pre-set reference value of the driving time or traveling distance, and

a voice output means for outputting a voice warning when a long driving or long distance traveling is detected by the comparator means,

wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel by comparing a pre—set reference value.

29. (Currently Amended) A travel warning direction device, comprising:
an unsafe driving detection means for detecting unsafe driving by comparing the driving conditions of the car with a pre—set reference value of the unsafe driving condition, and

a voice output means for outputting a voice warning when unsafe driving is detected by the comparator means,

wherein the voice output means changes expressions of the voice warnings, age and sex of the voice, depending on time zone, season, events or a number of times of travel.

30. (Original) A travel warning direction device according to claim 29,
wherein the unsafe driving detection means detects sudden start and sudden stop of the car.

31. (Currently Amended) A travel warning direction device according to claim 229, wherein the unsafe driving detection means detects abrupt steering by rotation of the vehicle.

32. (Currently Amended) A travel warning direction device according to claim 229, wherein the unsafe driving detection means detects abrupt steering by rotation of steering wheel.

33. (Original) A travel warning direction device according to claim 31, wherein the unsafe driving detection means detects abrupt steering by using an angular velocity sensor.

34. (Original) A travel warning direction device according to claim 29, wherein the warning direction by the voice output means is given in a certain ratio relative to a number of times the warning is generated.

35. (Original) A travel warning direction device according to claim 29, wherein the warning direction by the voice output means is given irregularly with respect to a number of times the warning is generated.

36. (Original) A travel warning direction device according to claim 29, wherein expressions and sex and age of the voice by the voice output means changes depending on time zone, seasons, events, and a number of time of travel.

37-41. (Cancelled)